GKTCS INNOVATIONS

Python

- Data Structure
- Control Structure
- Functions
- Built in functions
- Dictionary case study
- List and Dictionary Comprehension
- Module
- Built in Modules
- File and Exception Handling
- OOPS Application
- Inheritance, Polymorphism, Overloading and Overriding
- Iterator, Generator and Collection Framework

Machine Learning

- Introduction to Machine learning
- Supervised learning
- Unsupervised learning
- Reinforcement learning Scikit-learn API, Linear regression and Case studies

Artificial Intelligence

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Deep Learning

- Introduction to Deep Learning
- Use cases and application
- Implications of deep learning and mobility
- ANN with hidden layers
- Activation function options
- Linear versus non-linear functions
- Available libraries to work with(TensorFlow, Keras, TFLearn)
- CNN concepts
- Image classification using CNN

Neural Networks

- Introduction to Neural Networks
- Multi-layered Neural networks
- Training of neural networks
- DNN: Deep Neural Networks
- CNN: Convolutional Neural Networks
- RNN: Recurrent Neural Networks

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Artificial Intelligence

- Introduction to AI
- Data Processing and feature engineering
- Natural language processing
- Popular search algorithms
- Fuzzy logic system

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